

Title (en)

ORGANIC LIGHT-EMITTING DIODE DISPLAY DEVICE AND MANUFACTURING METHOD THEREFOR, AND DISPLAY PANEL

Title (de)

ANZEIGEVORRICHTUNG MIT ORGANISCHEN LEUCHTDIODEN UND HERSTELLUNGSVERFAHREN DAFÜR SOWIE ANZEIGETAFEL

Title (fr)

DISPOSITIF D'AFFICHAGE À DIODE ÉLECTROLUMINESCENTE ORGANIQUE ET SON PROCÉDÉ DE FABRICATION, ET PANNEAU D'AFFICHAGE

Publication

EP 4177979 A4 20240828 (EN)

Application

EP 20944774 A 20200910

Priority

- CN 202010639512 A 20200706
- CN 2020114359 W 20200910

Abstract (en)

[origin: US2022393127A1] An organic light-emitting diode display device is provided by the present application, including an anode layer, a cathode layer, and a light-emitting layer disposed between the anode layer and the cathode layer, wherein the light-emitting layer includes a first light-emitting layer and a second light-emitting layer stacked. The first light-emitting layer includes a first color light-emitting part, a second color light-emitting part, and a third color light-emitting part arranged in a same layer. The second light-emitting layer is configured to emit light of a first color, and the second light-emitting layer is disposed at a side of the first light-emitting layer and covers the first light-emitting layer.

IPC 8 full level

H10K 50/13 (2023.01)

CPC (source: CN EP US)

H10K 50/11 (2023.02 - US); **H10K 50/13** (2023.02 - EP US); **H10K 59/30** (2023.02 - CN); **H10K 71/00** (2023.02 - US); **H10K 71/166** (2023.02 - CN); **H10K 85/00** (2023.02 - CN); **H10K 59/12** (2023.02 - CN EP US); **H10K 59/1201** (2023.02 - US); **H10K 59/35** (2023.02 - EP); **H10K 71/166** (2023.02 - EP); **H10K 2101/40** (2023.02 - US)

Citation (search report)

- [XY] US 2020152902 A1 20200514 - LIM JIN-O [KR], et al
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- [XY] WO 2020062812 A1 20200402 - YUNGU GUAN TECH CO LTD [CN] & US 2020227687 A1 20200716 - GE LIN [CN], et al
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- See also references of WO 2022007177A1

Designated contracting state (EPC)

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DOCDB simple family (application)

US 202017262755 A 20200910; CN 202010639512 A 20200706; CN 2020114359 W 20200910; EP 20944774 A 20200910